

Title (en)

Radiation-selective absorber coating, absorber tube and method for its manufacture

Title (de)

Strahlungsselektive Absorberbeschichtung, Absorberrohr und Verfahren zu dessen Herstellung

Title (fr)

Revêtement d'absorbeur à rayonnement sélectif, tube d'absorbeur et son procédé de fabrication

Publication

**EP 2093520 B1 20170125 (DE)**

Application

**EP 09002191 A 20090217**

Priority

DE 102008010199 A 20080220

Abstract (en)

[origin: EP2093520A2] The radiation-selective absorber coating (20) has an antireflection layer (23) arranged above an absorption layer (22) that is arranged above a reflective layer (21). The reflective layer reflecting in an infrared range is arranged on lower and upper barrier layers (24a,24b). The reflective layer is comprised of gold, silver, platinum or copper. The lower barrier layer is comprised of iron or chromium oxide. The upper barrier layer is comprised of silicon oxide. Independent claims are included for the following: (1) process of making absorber tube; and (2) process of operating parabolic collector.

IPC 8 full level

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CPC (source: EP US)

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Cited by

EP2312234A3; GB2540384A; GB2540384B; CN103954059A

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